



## START UP CHECKLIST Water Source Units

Job Location \_\_\_\_\_

Model No. \_\_\_\_\_

HP \_\_\_\_\_

Serial No. \_\_\_\_\_

Date of Startup \_\_\_\_\_

JOB NOTES:

- ☐ All wiring connections are tight.
- ☐ Unit mounting is level.
- ☐ Trap is installed on condensate line.
- ☐ Drain Pan drains freely when unit is in operation.
- ☐ Verify correct incoming Voltage \_\_\_\_\_

Record VAC

— The information on this form verifies operation of the Lochinvar product only. —

This does not imply other system components or overall system operation is certified.  
Component and system verification should be performed by the designated commissioning agent or installing contractor.

**WARNING !** This Startup Sheet is for use only by a qualified heating installer/service technician. Refer to the Installation and Operation Manual for your reference. Have this unit serviced/inspected by a qualified service technician, at least annually. Failure to comply with the above could result in severe personal injury, death, or substantial property damage.

### RUN UNIT AT 100% CAPACITY FOR A MINIMUM OF 15 MINUTES THEN COMPLETE THE FOLLOWING:

#### WATER FLOW RATES

Condenser Flow: \_\_\_\_\_ gpm

Evaporator Flow: \_\_\_\_\_ gpm

#### CONDENSER WATER TEMPERATURES

Water Temp. **IN** (Tcondin): \_\_\_\_\_ °F

Water Temp. **OUT** (Tcondout): \_\_\_\_\_ °F

CALCULATED HEATING CAPACITY: \_\_\_\_\_ btuh  
[(Tcondout - Tcondin) x Cond. Flow x 500]

Ambient Air Temperature: \_\_\_\_\_ °F

Record Compressor amps per phase:

L1 \_\_\_\_\_ amps

L2 \_\_\_\_\_ amps

L3 \_\_\_\_\_ amps

Calculate superheat prior to accumulator: \_\_\_\_\_ °F

☐ Check sightglass Clear ☐ Bubbles ☐

Oil level in compressor sight glass:

Full ☐ 3/4 ☐ 1/2 ☐ 1/4 ☐

#### PRESSURE & TEMPERATURES

Evaporator Pressure - psig: \_\_\_\_\_

Saturated Evaporator Temperature (SET): \_\_\_\_\_ °F

Condenser Pressure - psig: \_\_\_\_\_

Saturated Condenser Temperature (SCT): \_\_\_\_\_ °F

Compressor discharge line temperature: \_\_\_\_\_ °F

Compressor suction line temperature: \_\_\_\_\_ °F

Refrigerant liquid line temperature: \_\_\_\_\_ °F

CALCULATED APPROACH TEMPERATURE: \_\_\_\_\_ °F  
(SCT - Tcondout)

#### START-UP PERFORMED BY:

Company: \_\_\_\_\_

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

#### START-UP APPROVED BY:

Company: \_\_\_\_\_

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Send completed form By Email: 2tech@Lochinvar.com

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